II. CLAIM AMENDMENTS

1. (Currently Amended) A method for transmitting information between applications executed in a first and a second data transmission device in a data transmission system, the method comprising:

using a data transmission protocol in the information transmission;

forming complete messages from the information to be transmitted by an application layer of a protocol stack of the first data transmission device, said complete messages being different from said information to be transmitted;

performing one or more protocol conversions in the protocol stack for said complete messages to form frames of a lower layer of said protocol stack~~information to be transmitted, said protocol stack comprising at least an application layer and~~ ;

transferring the frames to a physical layer of said protocol stack for transmission; and

transmitting the frames~~messages~~ from~~between~~ the first data transmission device ~~and~~ to the second data transmission device~~, the transmitting comprising completely forming messages by the application layer from the information to be transmitted, said messages being different from said information being transmitted~~.

2. (Previously Presented) The method according to claim 1, comprising transmitting at least two types of components in the messages, wherein the messages contain information on the type of the component transmitted in the message.

3. (Previously Presented) The method according to claim 2, comprising the messages at least with a header field, on the basis of which the type of the message is determined.

4. (Previously Presented) The method according to claim 3, comprising dividing said header field at least into first and second different parts, wherein the first part is used in

all messages and the second part is used, if necessary, in the transmission of the type-specific information of the message transmitted in the message.

5. (Previously Presented) The method according to claim 3, comprising providing the messages also with a data field to transmit information produced in the application.

6. (Previously Presented) The method according to claim 1, comprising using in the protocol stack at least a session layer between the application layer and the physical layer, in which the protocol used therein contains data frames, containing at least a header field and a data field, wherein the method further comprises transferring messages produced in the application layer to the data field of the data frames of the session layer.

7. (Previously Presented) The method according to claim 1, comprising using the WAP system at least partly as the data transmission system.

8. (Previously Presented) The method according to claim 1, comprising using the Internet data transmission network at least partly as the data transmission system.

9. (Currently Amended) A data transmission system comprising

a communication network~~means~~ for transmitting information by means of a data transmission protocol between applications executed in a first and second data transmission device ~~in a data transmission system~~,

a protocol stack in said first and second data transmission device, the protocol stack comprising at least an application layer and a physical layer, wherein said application layer is configured for completely forming messages from the information to be transmitted, said messages being different from said information being transmitted, and said protocol stack is configured ~~means~~ for performing one or more protocol conversions for said complete messages to form frames of a lower layer of said protocol stack~~information to be transmitted in the protocol stack, the protocol stack comprising at least an application layer and a physical~~

~~layer~~ and for transferring the frames to a physical layer of said protocol stack for transmission, and

a transmitter for transmitting the frames from the first data transmission device to the second data transmission device~~means in the application layer for completely forming messages by the application layer from the information to be transmitted, said messages being different from said information being transmitted~~.

10. (Previously Presented) The data transmission system according to claim 9, wherein at least two types of components are arranged to be transmitted in the messages, and wherein the components are supplemented with information on the type of the message transmitted in the message.

11. (Previously Presented) The data transmission system according to claim 10, wherein the messages are provided at least with a header field, on the basis of which the type of the message is arranged to be determined.

12. (Previously Presented) The data transmission system according to claim 11, wherein said header field is divided at least into first and second parts, wherein the first part is arranged to be used in all messages and the second part is arranged to be used, if necessary, in the transmission of the type-specific information of the message transmitted in the message.

13. (Previously Presented) The data transmission system according to claim 11, wherein the messages are also provided with a data field to transmit information produced in the application.

14. (Previously Presented) The data transmission system according to claim 9, wherein in the protocol stack at least a session layer is used between the application layer and the physical layer, in which the protocol used therein contains data frames, containing at least a header field and a data field, wherein the messages produced in the application layer are arranged to be transferred to the data field of the data frames of the session layer.

15. (Previously Presented) The data transmission system according to claim 9, wherein the data transmission system comprises at least the WAP system.

16. (Previously Presented) The data transmission system according to claim 9, wherein the data transmission system comprises at least the Internet data transmission network.

17. (Currently Amended) A terminal comprising at least ~~means~~

a processor for executing applications;

a protocol stack comprising at least an application layer and a physical layer, wherein said application layer is configured for completely forming messages from the information to be transmitted, said messages being different from said information being transmitted, and said protocol stack is configured for performing one or more protocol conversions for said complete messages to form frames of a lower layer of said protocol stack and for transferring the frames to a physical layer of said protocol stack for transmission, and

a transmitter ~~means~~ for transmitting information produced in the application to a data transmission system for transmission of the information by means of a data transmission protocol to an application executed in a second data transmission device.;

~~means for performing one or more protocol conversions for information to be transmitted in a protocol stack comprising at least an application layer and a physical layer, and means in the application layer for completely forming messages by the application layer from the information to be transmitted, said messages being different from said information being transmitted.~~